

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019194.D
 Acq On : 22 Aug 2024 02:58
 Operator : SY/MD
 Sample : VY0821SBSD02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0821SBSD02

Quant Time: Aug 22 03:48:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	127304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	210956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	183381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	84746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	66065	51.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.540%			
35) Dibromofluoromethane	7.628	113	66102	47.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.840%			
50) Toluene-d8	10.103	98	235036	47.350	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.700%			
62) 4-Bromofluorobenzene	12.408	95	79327	46.879	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	18895	20.230	ug/l	95
3) Chloromethane	2.068	50	29931	17.779	ug/l	98
4) Vinyl Chloride	2.202	62	35616	17.127	ug/l	97
5) Bromomethane	2.580	94	27080	17.483	ug/l	100
6) Chloroethane	2.726	64	23135	16.287	ug/l	94
7) Trichlorofluoromethane	3.049	101	54431	17.313	ug/l	98
8) Diethyl Ether	3.446	74	13654	20.120	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.812	101	26793	19.169	ug/l	98
10) Methyl Iodide	4.001	142	27113	19.790	ug/l	93
11) Tert butyl alcohol	4.842	59	19415	164.345	ug/l #	97
12) 1,1-Dichloroethene	3.787	96	24601	19.373	ug/l	89
13) Acrolein	3.647	56	8487	74.736	ug/l	96
14) Allyl chloride	4.379	41	35161	20.826	ug/l	90
15) Acrylonitrile	5.043	53	29632	106.714	ug/l	97
16) Acetone	3.854	43	24462	103.363	ug/l #	85
17) Carbon Disulfide	4.098	76	66689	18.619	ug/l #	94
18) Methyl Acetate	4.379	43	17261	23.764	ug/l	91
19) Methyl tert-butyl Ether	5.110	73	64687	21.011	ug/l	100
20) Methylene Chloride	4.610	84	37291	19.040	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	27907	19.671	ug/l	97
22) Diisopropyl ether	6.012	45	80689	20.877	ug/l	91
23) Vinyl Acetate	5.951	43	269161	87.962	ug/l	99
24) 1,1-Dichloroethane	5.909	63	47418	20.061	ug/l	97
25) 2-Butanone	6.884	43	39038	102.426	ug/l	90
26) 2,2-Dichloropropane	6.872	77	35419	18.505	ug/l	98
27) cis-1,2-Dichloroethene	6.878	96	34195	20.481	ug/l	98
28) Bromochloromethane	7.238	49	19733	19.902	ug/l	95
29) Tetrahydrofuran	7.250	42	25945	105.896	ug/l	92
30) Chloroform	7.415	83	54539	20.707	ug/l	100
31) Cyclohexane	7.695	56	38546	18.413	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	48343	20.886	ug/l	97
36) 1,1-Dichloropropene	7.829	75	36374	19.204	ug/l	99
37) Ethyl Acetate	6.970	43	17919	21.353	ug/l	98
38) Carbon Tetrachloride	7.811	117	44740	20.382	ug/l	96
39) Methylcyclohexane	9.103	83	43215	17.779	ug/l	96
40) Benzene	8.073	78	114211	19.661	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	8036m	17.545	ug/l	
42) 1,2-Dichloroethane	8.152	62	33896	21.608	ug/l	95
43) Isopropyl Acetate	8.189	43	34701	20.447	ug/l #	79
44) Trichloroethene	8.859	130	30859	19.038	ug/l	93
45) 1,2-Dichloropropane	9.140	63	25797	19.931	ug/l	97
46) Dibromomethane	9.225	93	16461	19.609	ug/l	99
47) Bromodichloromethane	9.420	83	40649	19.737	ug/l	95
48) Methyl methacrylate	9.219	41	15834	20.934	ug/l	85
49) 1,4-Dioxane	9.219	88	3670	360.901	ug/l #	84
51) 4-Methyl-2-Pentanone	9.999	43	88395	98.132	ug/l	93
52) Toluene	10.170	92	74398	19.511	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	33487	19.601	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	36096	17.568	ug/l #	89
55) 1,1,2-Trichloroethane	10.573	97	21847	20.216	ug/l	95
56) Ethyl methacrylate	10.438	69	27873	19.705	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	35274	20.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	60305	89.868	ug/l	97
59) 2-Hexanone	10.762	43	60432	97.652	ug/l	91
60) Dibromochloromethane	10.914	129	28694	19.495	ug/l	98
61) 1,2-Dibromoethane	11.018	107	20204	19.343	ug/l	98
64) Tetrachloroethene	10.646	164	32540	20.301	ug/l	96
65) Chlorobenzene	11.444	112	79820	18.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	29005	19.533	ug/l	96
67) Ethyl Benzene	11.517	91	138792	18.937	ug/l	98
68) m/p-Xylenes	11.633	106	107110	36.832	ug/l	96
69) o-Xylene	11.956	106	50152	18.623	ug/l	97
70) Styrene	11.975	104	88410	19.252	ug/l	97
71) Bromoform	12.133	173	15794	18.606	ug/l #	97
73) Isopropylbenzene	12.255	105	132300	20.368	ug/l	99
74) N-amyl acetate	12.072	43	28932	20.427	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	23036	19.921	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	16043m	19.196	ug/l	
77) Bromobenzene	12.536	156	31505	20.197	ug/l	97
78) n-propylbenzene	12.597	91	156425	20.145	ug/l	100
79) 2-Chlorotoluene	12.682	91	87919	20.196	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	106489	20.125	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	6223	18.389	ug/l #	83
82) 4-Chlorotoluene	12.779	91	90955	20.082	ug/l	98
83) tert-Butylbenzene	12.999	119	98837	20.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	105620	20.027	ug/l	99
85) sec-Butylbenzene	13.176	105	141055	19.808	ug/l	99
86) p-Isopropyltoluene	13.292	119	116166	19.860	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	59681	19.400	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	58865	19.249	ug/l	98
89) n-Butylbenzene	13.621	91	101155	18.969	ug/l	99
90) Hexachloroethane	13.883	117	22976	19.929	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	52395	19.365	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3443	20.239	ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	26646	17.463	ug/l	99
94) Hexachlorobutadiene	15.029	225	16754	21.081	ug/l	98
95) Naphthalene	15.145	128	48934	17.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	24017	18.662	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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